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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/811,211	10/811,211 03/26/2004		Paul Thomas Huckabee	TH 2037 1956	
23632	7590	10/11/2006		EXAMINER	
SHELL OI		ANY	DANG, HOANG C		
P O BOX 2463 HOUSTON, TX 772522463				ART UNIT	PAPER NUMBER
				3672	

DATE MAILED: 10/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/811,211	HUCKABEE ET AL.				
Office Action Summary	Examiner	Art Unit				
	Hoang Dang	3672				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION B6(a). In no event, however, may a reply be time rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 19 Ju	<u>ıly 2006</u> .					
· · · · ·	This action is FINAL . 2b)⊠ This action is non-final.					
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	o3 O.G. 213.				
Disposition of Claims						
4) ⊠ Claim(s) 1-21 and 23-27 is/are pending in the a 4a) Of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-21 and 23-27 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accention accention and accention and accention accention and accention acceptance accention acceptance ac	epted or b) objected to by the I drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal F	ate				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 7/19/2006.	6) Other:	atom Appropriori				

DETAILED ACTION

Claim Objections

1. Claims 17-21 and 23-27 are objected to because of the following informalities: The expression "the valve" in claim 17, lines 7 and 9 has no antecedent basis. Claim 23 depends on cancelled claim 22. Appropriate correction is required.

Claim Rejections - 35 USC § 103

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claims 1, 2, 6, 7, 9, 10, 14, 15, 17, 19, 21 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brockman (6,505,682) in view of Richards (US 2004/0134655).

Brockman discloses the invention as claimed except that valves 34 are located at the upper and lower ends of the annular space 32. However, one of ordinary skill in the art would have readily recognized that valves 34 can be located anywhere along the annular space 32 and would still control the flow of fluids from the exterior of the screen to the interior of the central passageway of the tubing 40 in the same manner, as evidenced by Richards (see valves 92 and 212 for examples).

4. Claims 3-5, 11-13 and 24-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brockman (US 6,505,682) in view of Richards as applied to claims 1, 2, 6, 7, 9, 10, 14, 15, 17, 19, 21 and 23 above and further in view of Danos et al (US 6,752,207).

Brockman discloses the invention as claimed except that Brockman does not disclose the use of optical fiber, hydraulic cable or pneumatic cable. However, it would have been obvious to

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one of ordinary skill in the art at the time the invention was made to use either electrical cable, optical fiber, hydraulic cable or pneumatic cable in Brockman because it is well known in the art to use an electrical cable, optical fiber, hydraulic cable or pneumatic cable to transmit downhole signals as evidenced by Danos et al (see column 4, lines 6-8).

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5. Claims 7, 15, 25 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brockman '682 in view of Richards as applied to claims 1, 2, 6, 7, 9, 10, 14, 15, 17, 19, 21 and 23 above and further in view of in view of Echols et al (US 6,782,948).

Brockman discloses the invention as claimed except for the use of wireless communication. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use wireless communication in Brockman as claimed because it is well known in the art to use either hard wire arrangement or wireless communication to operate a valve as evidenced by Echols et al (column 6, lines 44-47).

6. Claims 8 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brockman '682 in view of Richards as applied to claims 1, 2, 6, 7, 9, 10, 14, 15, 17, 19, 21 and 23 above and further in view of Coon (US 5,896,928) or Tubel et al (US 6,176,312).

Brockman discloses the invention as claimed except that Brockman does not disclose the use of a data recorder. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide Brockman with a data recorder because it is well known in the art to use a downhole recorder to record downhole information for later use as evidenced by Coon (column 5, lines 16-24) or Tubel et al (column 15, lines 26-34).

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7. Claims 18 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brockman '682 in view of Richards as applied to claims 1, 2, 6, 7, 9, 10, 14, 15, 17, 19, 21 and 23 above and further in view of Voll et al (US 6,112,817).

Brockman discloses the invention as claimed except for the use of differential pressure sensor or temperature sensor. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide Brockman with differential pressure sensor or temperature sensor as claimed because it is well known in the art to use differential pressure and temperature sensors as claimed in order to optimize the production of the formation fluids as evidenced by Voll et al (column 6, lines 33-41).

Claim 27 is rejected under 35 U.S.C. 103(a) as being unpatentable over Brockman '682 8. in view of Richards as applied to claims 1, 2, 6, 7, 9, 10, 14, 15, 17, 19, 21 and 23 above and further in view of Vinegar et al (US 6,679,332).

Brockman '682 discloses the invention as claimed except for the use of a time varying signal to communicate with the valve from the sensor. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use a time varying signal as claimed because such a time varying signal is well known and used in the art for downhole communication purposes as evidenced by Vinegar et al (see column 15, lines 3-9).

Response to Arguments

9. Applicant's arguments with respect to claims 1-21 and 23-27 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's 10. disclosure.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoang Dang whose telephone number is 571-272-7028. The examiner can normally be reached on 9:15-5:45 Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bagnell can be reached on 571-272-6999. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> Hoang Dang **Primary Examiner** Art Unit 3672

